

## EAST Search History

JW

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	2399	(704/231 704/233 379/406. 01-406.03).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 09:47
L14	90	((michael near3 carey) (graham near3 tattersall)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 09:47
L15	3	l14 and ((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 09:51
L16	2	"5864804".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 09:51
S1	0	10/030524	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 10:36
S2	108	((speech voice) near6 recogni\$6) and ((left right) near7 channel) and ((noise interference distortion) near7 (cancel\$4 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 13:14
S3	42	((speech voice) near6 recogni\$6) and ((left right) near7 channel) and ((echo doubletalk) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 11:50
S4	66	((speech voice) near6 recogni\$6) and ((left right) near7 (speaker loudspeaker channel)) and ((echo doubletalk) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:01

## EAST Search History

SW

S5	438	((speech voice) near6 recogni\$6) and ((second two) near7 (speaker loudspeaker channel)) and ((echo doubletalk) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:03
S6	65	((speech voice) near6 recogni\$6) and ((second two) near7 (speaker loudspeaker channel)) same ((echo doubletalk) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:16
S7	6	("5475791"   "5765130"   "5848151"   "5864804"   "5920834"   "6411928").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/07 12:10
S8	57	((speech voice) near6 recogni\$6) and (stereo stereophonic) same ((echo doubletalk) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:16
S9	34	((speech voice) near6 recogni\$6) and (stereo stereophonic) same ((noise interference distortion) near7 (cancel\$4 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 13:50
S12	1143	(stereo stereophonic) same ((noise interference distortion echo) near7 (cancel\$4 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 13:51
S13	1242	(stereo stereophonic) same ((noise interference distortion echo) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 15:08
S14	38	S13 and (subtract\$5 near8 left near8 right)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 13:52

OW

## EAST Search History

S15	0	S13 and (subtract\$5 near8 left near8 right) with (previous prior last preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:22
S16	4456	((left right two second) near6 (loudspeaker channel speaker)) same ((noise interference distortion echo) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:28
S17	0	S16 and (subtract\$5 near8 left near8 right) with (previous prior last preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:01
S18	1	S16 and (subtract\$5 near8 (left right l-channel r-channel)) with (previous prior last preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:02
S19	60	S16 and (subtract\$5 near8 (channel loudspeaker speaker)) with (previous prior last preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:22
S20	38	S16 and (difference near8 (channel loudspeaker speaker)) with (previous prior last preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:23
S21	0	S13 and (difference near8 left near8 right) with (previous prior last preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:29
S22	5366	((left right two second) near6 (loudspeaker channel speaker)) stereo stereophonic) same ((noise interference distortion echo) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:29

## EAST Search History

JW

S23	140	S13 and ((subtract\$4 difference) near8 left near8 right)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:43
S24	13	S13 and ((subtract\$4 difference) near8 left near8 right) with (delay\$4 previous prior preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:48
S25	0	S13 and ((subtract\$4 difference) near8 (left right)) near6 (previous prior preceding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:49
S26	31	S13 and ((subtract\$4 difference) near8 (left right)) near8 (microphone input)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:53
S27	68	S22 and ((subtract\$4 difference) near8 (left right)) near8 (microphone input)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 14:54
S28	47	S13 and ((function equation calculat\$4) near7 ((left near4 channel) L-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 15:09
S29	47	S13 and ((function equation calculat\$4) near8 ((left near4 channel) L-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 15:12
S30	5	S13 and ((function equation calculat\$4) near6 transfer near8 ((left near4 channel) L-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 17:16



## EAST Search History

JW

S31	1242	(stereo stereophonic) same ((noise interference distortion echo) near7 (cancel\$6 subtract\$4 filter\$4 suppress\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 17:16
S32	1	S31 and ((function equation calculat\$4) near6 transfer near8 ((left near4 (speaker loudspeaker)) L-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:34
S33	191	((function equation calculat\$4) near6 transfer near9 (((right left) near4 (speaker loudspeaker channel)) L-channel R-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:36
S34	186	((function) near6 transfer near9 (((right left) near4 (speaker loudspeaker channel)) L-channel R-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:32
S35	70	S34 and ((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:27
S36	689	((function) near7 (((right left) near4 (speaker loudspeaker channel)) L-channel R-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:24
S37	12	((function) near6 transfer near9 (((right left) near4 (stereo)) L-channel R-channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:25
S38	161	S36 and ((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:32

## EAST Search History

JW

S39	3739	((function) near6 transfer near9 (channel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:32
S40	1181	S39 and ((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 11:33
S41	188	S39 same ((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 09:48
S42	390	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and (left near8 right near8 subtract\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:47
S43	37	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and (left near8 right near8 subtract\$5) same (spectrum magnitude amplitude)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:31
S44	0	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and ((left right) near8 subtract\$5 near7 (speech acoustic current present)) same (spectrum magnitude amplitude)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:34
S45	19	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and ((left right) near8 subtract\$5 near7 (speech acoustic current present))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:34

## EAST Search History

TW

S46	34	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and ((left right) near8 (minus subtract\$5) near7 (speech acoustic current present))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:35
S47	69	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and ((left right) near8 (difference) near7 (speech acoustic current present))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:35
S48	11	S47 and (speech voice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:36
S49	0	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and ((speech voice) same (time near5 domain) same (first near5 order near5 recursive near5 filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:48
S50	6	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and ((speech voice) same (first near5 order near5 recursive near5 filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:49
S51	106	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and (first near5 order near5 recursive near5 filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:50
S52	4	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and (first near5 order near5 recursive near5 filter) near9 smooth\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:50

## EAST Search History



S53	48	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and (recursive near5 filter) near9 smooth\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:51
S54	3	((echo noise interference non-stationary crosstalk doubletalk) near7 (eliminat\$5 attenuat\$4 cancel\$6 suppress\$5 remov\$4)) and (recursive near5 filter) near9 smooth\$4 same (speech voice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 14:16
S55	1	"704"/\$.ccls. and (first near5 order near6 recursive near5 filter) near9 smooth\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:53
S56	3	"704"/\$.ccls. and (first near5 order near6 recursive near5 filter) same smooth\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:55
S57	24	"704"/\$.ccls. and (first near5 order near6 recursive near5 filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 13:55
S58	2	((echo noise interference non-stationary crosstalk doubletalk) near7 (compensat\$5)) and (recursive near5 filter) near9 smooth\$4 same (speech voice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 14:04
S59	4	(recursive near5 filter) near9 smooth\$4 same (speech voice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 14:04